

1	SUPERRADIANT LASER	38.1	PARTICULAR COMPONENT CIRCUITRY
2	FREE ELECTRON LASER	38.01	.Having feedback circuitry
3	RAMAN LASER	38.02	.For driving or controlling laser
4	LONG WAVELENGTH (E.G., FAR INFRARED)	38.03	.Switch (e.g., thyratron, etc.)
5	SHORT WAVELENGTH LASER	38.04	.Power supply
6	OPTICAL FIBER LASER	38.05	.Electrode
7	THIN FILM LASER	38.06	.Optical pumping
8	LASER LOGIC SYSTEM	38.07	.Controlling current or voltage to laser
9	PARTICULAR BEAM CONTROL DEVICE	38.08	.Having noise suppression circuitry
10	.Q-switch	38.09	.Having fault protection circuitry
11	..Absorption type	39	PARTICULAR ACTIVE MEDIA
12	..Electro-optic	40	.Amorphous (e.g., glass)
13	..Acousto-optic	41	.Insulating crystal
14	..Mechanical	42	..Utilizing color centers
15	...Rotating mirror	43	.Semiconductor
16	...Rotating prism	44	..Injection
17	..Plural Q-switches	45	...Particular confinement layer
18	.Mode locking	46	...Particular current control structure
19	.Mode discrimination	47Transverse junction
20	.Tuning	48Channeled substrate
21	.Nonlinear device	49	...Particular coating on facet
22	..Frequency multiplying (e.g., harmonic generator)	50	...Monolithic integrated
23	.Producing plural wavelength output	51	.Liquid
24	.Scanning	52	..Chelate
25	.Control of pulse characteristics	53	..Dye
26	.Modulation	54	..Particular structural features
27	..Polarization	55	.Gas
28	..Frequency	56	..Metal vapor
29.01	.Having particular beam control circuit component	57	..Excimer or exciplex
29.011	..Feedback circuitry	58	..With means for controlling gas flow
29.012	..Power supply	59	..Gas maintenance (e.g., purification, replenishment, etc.)
29.013	..Having particular electrode structure	60	..Including a specified gas additive
29.014	..Controlling light intensity	61	..Discharge tube feature
29.015	..Controlling current or voltage	62	...Segmented
29.016	..Controlling beam phase	63	...Backflow feature
29.02	.Optical output stabilization	64	...Waveguide
29.021	..Power	65	...Support
29.022	..Cavity	66	.Active media with particular shape
29.023	..Phase	67	..Disc-shaped
30	..Pulse	68	.Plural active media or active media having plural dopants
31	..Amplitude	69	PARTICULAR PUMPING MEANS
32	..Frequency	70	.Pumping with optical or radiant energy
33	PARTICULAR OPERATING COMPENSATION MEANS		
34	PARTICULAR TEMPERATURE CONTROL		
35	.Liquid coolant		
36	.Heat sink		
37	HAVING AN APPLIED MAGNETIC FIELD		

71	..End-pumped laser	703	OPTICAL ISOLATER
72	..Pump cavity	704	SUMMARY REFERENCE
73	..High-energy particles	705	NEAT THING
74	..Electron beam		
75	..Semiconductor		
76	..Plasma		
77	..Exploding or combustible material		<u>FOREIGN ART COLLECTIONS</u>
78	..Heat	FOR 000	CLASS-RELATED FOREIGN DOCUMENTS
79	..Solar		Any foreign patents or non-patent litera- ture from subclasses that have been reclassified have been transferred directly to FOR Collections listed below. These Collections contain ONLY foreign patents or non-patent literature. The par- enthetical references in the Collection titles refer to the abolished subclasses from which these Collections were derived.
80	..Excited phosphor		
81	.Electrical		
82	..Inductive or capacitive excitation		
83	..Transversely excited		
84	...Traveling wave		
85	..Glow discharge		
86	..Having an auxiliary ionization means		
87	..Having particular electrode structure		
88	...Hollow electrode		
89	.Chemical		
90	.Gas dynamic	FOR 100	.Output stabilization (372/29)
91	.With depopulation of lower states	FOR 101	WITH PARTICULAR COMPONENT
92	PARTICULAR RESONANT CAVITY		CIRCUITRY (372/38)
93	.Folded cavity		
94	..Having a ring configuration		
95	.Unstable resonator		
96	.Distributed feedback		
97	.Plural cavities		
98	.Specified cavity component		
99	..Reflector		
100	..Prism		
101	..Lens or lens system		
102	..Grating		
103	..Window, aperture, and mask		
104	...Aerodynamic window		
105	..Birefringent material		
106	..Polarizer		
107	.Mirror support or alignment structure		
108	.Specified output coupling device		
109	MISCELLANEOUS		

CROSS-REFERENCE ART COLLECTIONS

700	OPTICAL DELAY
701	NOZZLE
702	ISOTOPE